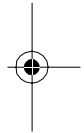
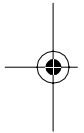




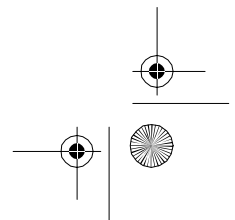
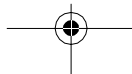
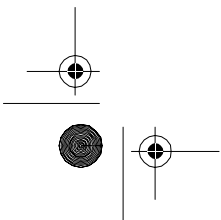
Cat. No. 32-1158
OWNER'S MANUAL

Please read before using this equipment.

KARAOKE MATE



OPTIMUS®



FEATURES

Your Optimus Karaoke Mate lets you be the “star” as you sing along with your favorite recordings. To hear your voice along with the music through a speaker, simply connect the karaoke between an external music source (such as a CD player) and your amplifier/receiver.

The vocal canceller reduces the volume of the recording’s voice, so you hear your own voice as you sing with the music. It works with stereo recordings so there are no special karaoke tapes to buy. And, the karaoke is designed so you can take it almost everywhere!

Its features include:

Dual Microphone Jacks — let you use two microphones simultaneously to sing duets or for lead and background vocals.

Supplied Microphone — lets you immediately begin singing along with the music.

Separate Microphone Volume Controls — let you adjust the volume of your duet partner/background singer separately or use the karaoke as a 2-channel microphone mixer.

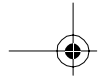
High-Quality Echo — lets you add an echo to your voice for a concert hall effect.

Dual Power Operation — lets you power your system from internal batteries or AC power (with an optional adapter).

Note: If you want to use a second microphone, you need an external microphone with a 1/4-inch plug. Your local RadioShack store sells a variety of microphones.

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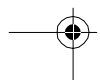
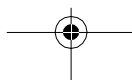
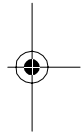
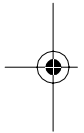
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CONNECTIONS

CONNECTING POWER

You can power your karaoke with:

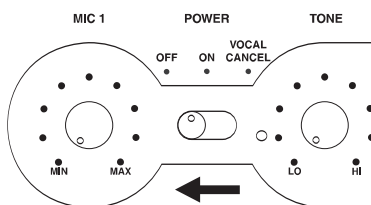
- 6 C batteries
- AC power

Installing Batteries

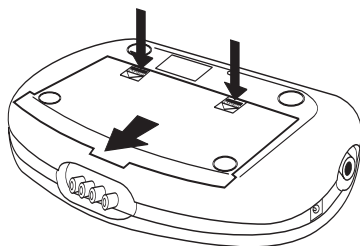
You can power the karaoke with 6 C batteries (not supplied). For the best performance, we recommend alkaline batteries, such as RadioShack Cat. No. 23-551.

Follow these steps to install the batteries.

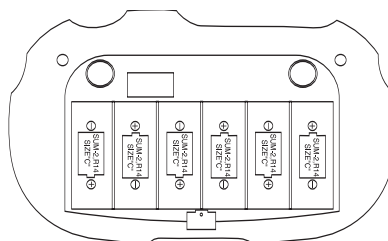
1. Set **POWER** to **OFF**.



2. Press down on the battery compartment cover and slide it in the direction of the arrows to remove it.



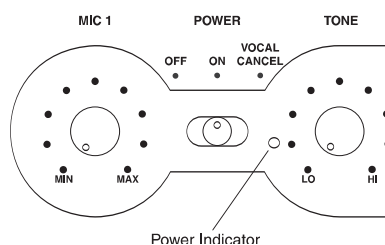
3. Install the batteries as indicated by the polarity symbols (+ and -) marked inside the compartment.



Caution: Always use fresh batteries of the required size and type.

4. Replace the cover.

If you are operating the karaoke using battery power and the power indicator dims, replace the batteries.



Cautions:

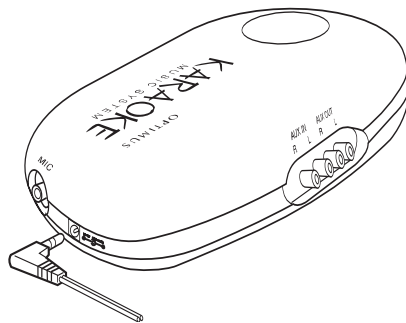
- To avoid damage from leaking batteries, remove the batteries if you do not plan to use them in the karaoke for a week or more.
- Always dispose of old batteries promptly and properly.

Using AC Power

To power your karaoke from a standard AC outlet, you need an AC adapter, such as Cat. No. 273-1652.

Caution: You must use an AC adapter that supplies 12 volts DC power and at least 200 milliamps. Its center tip must be set to positive and it must have a plug that properly fits the **DC 12V** jack. The recommended adapter meets these specifications. Using an adapter that does not meet these specifications could damage your karaoke or the AC adapter.

Note: Connecting an AC adapter disconnects internal batteries.

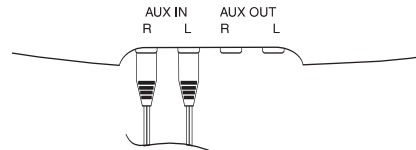


1. Insert the proper-sized barrel plug into the adapter's cord so it reads **TIP+** (positive).
2. Insert the AC adapter's barrel plug into the karaoke's **DC 12V** jack.
3. Plug the AC adapter into a standard AC outlet.

CONNECTING TO AN AUDIO SOURCE

Connect an audio source (such as a CD player or stereo system) to the karaoke so you can sing along with the sound from that source.

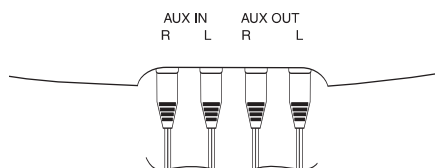
Connect the source's stereo audio output jacks to the karaoke's **AUX IN L** and **R** jacks using the supplied cable. Use the white plug for the left connection and the red plug for the right connection at both ends of the cable.



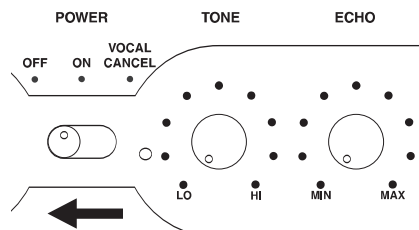
Note: If your audio source does not have **AUX OUT** jacks, but has only a headphone output jack (such as is often found on a portable tape player or CD player), use a shielded Y-adapter cord with phono plugs on one end (such as Cat. No. 42-2475). Connect the single-plug end to the audio source's headphone jack, and connect the other end's two phono plugs to the karaoke's **AUX IN L** and **R** jacks.

CONNECTING TO YOUR AMPLIFIER/RECEIVER

To hear the music along with your voice, connect your stereo amplifier/receiver to the karaoke's **AUX OUT L** and **R** jacks using the supplied cable. Use the white plug for the left connection and the red plug for the right connection at both ends of the cable.



Note: When you are not using the karaoke, set **POWER** to **OFF**. The sound from the audio source passes through the karaoke to the amplifier/receiver unaffected.

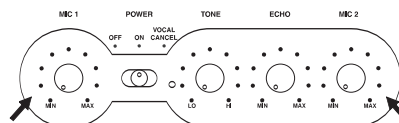


CONNECTING MICROPHONES

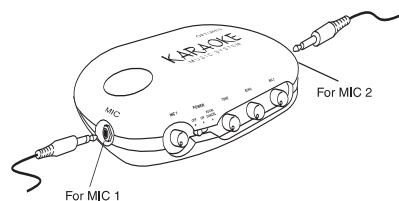
You can use the supplied microphone to sing along. To connect two microphones for duets or lead and background vocals, you need an external microphone with a 1/4-inch plug (such as Cat. No. 33-3009). To help prevent feedback, we recommend a unidirectional microphone.

Follow these steps to connect microphones.

1. Set the volume controls for **MIC 1** and **MIC 2** to **MIN**.



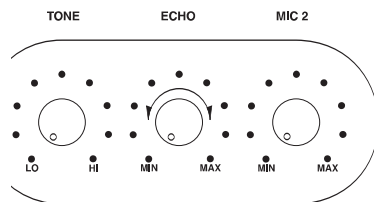
2. Plug the microphone into **MIC** on the MIC 1 end of the karaoke. Plug the second microphone into **MIC** on the MIC 2 end of the karaoke, if desired.



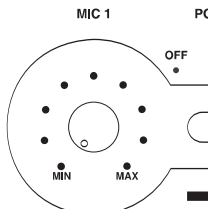
SINGING ALONG

Now get ready for some fun! You can use these controls to get the sound just right:

Echo — This adds an echo effect to your voice while you sing. Adjust **ECHO** between **MIN** and **MAX** for the desired effect.



Voice Cancel — While you play the audio source, set **POWER** to **VOCAL CANCEL** to reduce the prerecorded voice's volume.



Note: The voice cancelling feature reduces the level of signals that are recorded at the same level on both the left and right channels. Its effectiveness varies depending on the music source. For example, it does not work well with monaural recordings or broadcasts, recordings or broadcasts with strong echoes, stereo recordings with material originally recorded in monaural, or vocals recorded off center. Also, if a musical instrument was

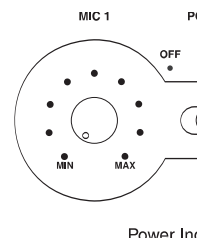
recorded in the mid-frequency range, its sound level might decrease along with the vocals.

Tone — This adjusts the treble and bass of the sound of your voice as it comes through the speaker.

Warning: To protect your hearing, set the audio output component's volume to its minimum position before you turn it on.

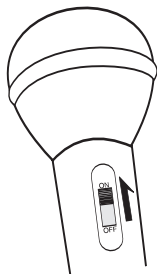
Follow these steps to sing along with the audio input source.

1. To turn on the karaoke, set **POWER** to **ON**. The power indicator lights.



2. Turn on the audio input source and the audio output component. You hear the audio input's sound through the audio output component. Set the audio output component's volume control to a comfortable listening level.

3. Set the **ON/OFF** switch on the supplied microphone to **ON**.



Note: If you use another microphone, be sure to turn it on.

4. Adjust the volume control(s) for **MIC 1** and/or **MIC 2** to the desired sound level(s), and sing or talk into the microphone(s). You hear your voice through the amplifier/receiver.

Note: To avoid feedback, keep the microphone as far away from the speakers and the other microphone as possible.

5. Set **POWER** to **VOCAL CANCEL**. The prerecorded voice's sound is reduced.
6. Adjust **ECHO** to add an echo to your voice.
7. Adjust **TONE** to the desired level.
8. When you finish, turn **POWER** to **OFF**. The power indicator turns off and the sound passes through the karaoke to the amplifier/receiver unaffected.
9. Turn off the audio source and the amplifier/receiver.

USING THE KARAOKE AS A MICROPHONE MIXER

You can use your karaoke as a simple microphone mixer. For example, if you connect an audio source such as an electronic keyboard to the **AUX IN L** and **R** jacks, you can sing or talk through the microphone(s) and mix your voice with the sound from the keyboard.

CARE AND MAINTENANCE

Your Karaoke Mate is an example of superior design and craftsmanship. The following suggestions will help you care for your karaoke so you can enjoy it for years.



Keep the karaoke dry. If it gets wet, wipe it dry immediately. Liquids might contain minerals that can corrode the electronic circuits.



Use and store the karaoke only in normal temperature environments. Temperature extremes can shorten the life of electronic devices and distort or melt plastic parts.



Keep the karaoke away from dust and dirt, which can cause premature wear of parts.



Handle the karaoke gently and carefully. Dropping it can damage circuit boards and cases and can cause the karaoke to work improperly.



Use only fresh batteries of the required size and type. Old batteries can leak chemicals that damage your karaoke's electronic parts.



Wipe the karaoke with a damp cloth occasionally to keep it looking new. Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the karaoke.

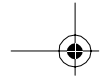
Modifying or tampering with the karaoke's internal components can cause a malfunction and might invalidate your karaoke's warranty and void your FCC authorization to operate it. If your karaoke is not performing as it should, take it to your local RadioShack store for assistance.

THE FCC WANTS YOU TO KNOW

Your karaoke might cause TV or radio interference even when it is operating properly. To determine whether your karaoke is causing the interference, turn off the karaoke. If the interference goes away, your karaoke is causing the interference. Try to eliminate the interference by:

- Moving your karaoke away from the receiver
- Using outlets on different electrical circuits for the karaoke and the TV or radio
- Contacting your local RadioShack store for help

If you cannot eliminate the interference, the FCC requires that you stop using your karaoke.



SPECIFICATIONS



Power Supply 9 Volts DC: Six C Batteries
12 Volts DC, 200 mA, with
Optional AC Adapter (Cat. No. 273-1652)

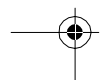
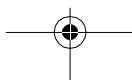
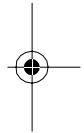
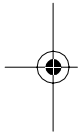
AUX Input Impedance 47 kohm

MIC 1/MIC 2 Maximum Volume Hum 1.2 mV

Total Harmonic Distortion 0.6%

Dimensions (HWD) $2\frac{9}{16} \times 8\frac{1}{4} \times 5\frac{1}{8}$ Inches
(65 × 210 × 130 mm)

Specifications are typical; individual units might vary. Specifications are subject to change and improvement without notice.



RadioShack Limited Warranty

This product is warranted against defects for 90 days from date of purchase from RadioShack company-owned stores and authorized RadioShack franchisees and dealers. Within this period, we will repair it without charge for parts and labor. Simply **bring your RadioShack sales slip** as proof of purchase date to any RadioShack store. Warranty does not cover transportation costs. Nor does it cover a product subjected to misuse or accidental damage.

EXCEPT AS PROVIDED HEREIN, RadioShack MAKES NO EXPRESS WARRANTIES AND ANY IMPLIED WARRANTIES ARE LIMITED IN DURATION TO THE DURATION OF THE WRITTEN LIMITED WARRANTIES CONTAINED HEREIN. Some states do not permit limitation or exclusion of implied warranties; therefore, the aforesaid limitation(s) or exclusion(s) may not apply to the purchaser.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

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